

REMARKS

In view of scope of the allowable subject matter Applicants believe the previously amended title, namely, "METHOD AND APPARATUS FOR EDITING ON A REWRITEABLE DISC MEDIA" remains appropriate herein.

✓ Applicants cannot account for the fact that the PTO-1449 form was not received with the other papers filed in January, 2002. Applicants thank the Examiner for making the submitted ✓ references of record.

Claims 4, 5, 14, and 15 would be allowed if rewritten in independent form.

Claim 1 has been amended to incorporate the subject matter of claims 3 and 4, but not claim 2. [The subject matter of previous claim 2 has been resubmitted as new claim 23.] Claim 11 has been amended to incorporate the subject matter of claims 13 and 14, but not claim 12. The subject matter of previous claim 12 has been resubmitted as new claim 24. The subject matter of allowable claims 14 and 15 has been placed in independent form as new claims 21 and 22 respectively. Claims 5 and 10 have been amended to depend from claim 23, thus restoring the original subject matter dependency. Claim 16 has been amended to depend from new claim 24, thus restoring the original subject matter dependency. Claim 15 has been amended to depend from claim 11 in view of the cancellation of claim 14. Claims 3, 4, 13, and 14 have been cancelled without prejudice. Claims 6-9 and 17-20 remain unchanged.

Applicants still believe Kondo et al, Aramaki et al, Hasegawa, or Nagasawa et al. and the other references of record fail to clearly suggest, mention or contemplate the modification of a second jump command in a control data portion when operating in a reverse direction. However, Applicants no longer believe this element is necessary for novelty and nonobviousness in the broadest allowable claims.

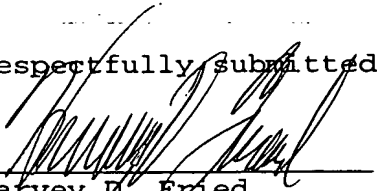
Thus, as noted, the subject matter of only claims 3 and 4 has been included into amended claim 1. Reading in a reverse direction is now recited in new claim 23. Similarly, the subject matter of only claims 13 and 14 has been included into amended claim 11. Reading in a reverse direction is now recited in new claim 24.

None of the references cited suggests, mentions or contemplates a method or apparatus that changes an existing start address of a cell to an address of the end point when the beginning point is the start address as now recited in independent claims 1, 11, 21, and 22. Independent claims 1, 11, 21, and 22 as well as all the remaining dependent claims therefore recite an invention that is novel and nonobvious over the cited references. Accordingly, Applicants respectfully request the withdrawal of the rejections under 35 U.S.C. § 103(a) and allowance of the claims as amended herein.

Applicant invites the Examiner to call the undersigned if it is believed that a telephonic interview would clarify any issues raised herein.

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Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

1. (amended twice) A method for editing a recorded series of bits on a rewritable disc media comprising:

selectively identifying a beginning point and an end point of a segment of said recorded series of bits to be deleted, wherein said recorded series of bits are grouped into cells;

dividing a cell into two cells when said beginning point and said end point are each contained within said cell, a first one of said cells having an end address at said beginning point and a second one of said cells having a starting address at said end point;

modifying a first jump command in a control data portion of said disc, said first jump command for causing playback from said disc to continue at said end point when reading in a forward direction; and

[~~modifying a second jump command in a control data portion of said disc;~~ said second jump-command for causing playback from said disc to continue at said beginning point when reading in a reverse direction] changing an existing start address of said cell to an address of said end point when said beginning point is said start address.

3. Canceled, without prejudice.

4. Canceled, without prejudice.

5. (amended) The method according to claim [3] 2, further comprising changing an existing address of said cell to an address of said beginning point when said end point is said end address of said cell.

10. (amended) The method according to claim [2] 23 further comprising maintaining a delete table to identify said segment which has been deleted as available space on said disc.

11. (Amended twice) An apparatus for editing a recorded series of bits on a rewritable disc media comprising:

means for selectively identifying a beginning point and an end point of a segment of said recorded series of bits to be deleted, wherein said recorded series of bits are grouped into cells;

means for dividing a cell into two cells when said beginning point and said end point are each contained within said cell, a first one of said cells having an end address at said beginning point and a second one of said cells having a starting address at said end point;

means for modifying a first jump command in a control data portion of said disc, said first jump command for causing playback from said disc to continue at said end point when reading in a forward direction; and

means for [modifying a second jump command in a control data portion of said disc, said second jump command for causing playback from said disc to continue at said beginning point when reading in a reverse direction] changing an existing start address of said cell to an address of said end point when said beginning point is said start address.

13. Canceled, without prejudice.

14. Canceled, without prejudice.

15. The apparatus according to claim [13] 11, further comprising means for changing an existing end address of said

cell to an address of said beginning point when said end point is said end address of said cell.

16. The apparatus according to claim [12] 24 further comprising means for changing an end address of a cell containing said beginning point to an address of said beginning point when said segment extends between a plurality of cells.

Added claims:

21. (new) A method for editing a recorded series of bits on a rewritable disc media comprising:

selectively identifying a beginning point and an end point of a segment of said recorded series of bits to be deleted, wherein said recorded series of bits are grouped into cells;

dividing a cell into two cells when said beginning point ~~and said end point are each contained within said cell~~, a first one of said cells having an end address at said beginning point and a second one of said cells having a starting address at said end point;

modifying a first jump command in a control data portion of said disc, said first jump command for causing playback from said disc to continue at said end point when reading in a forward direction;

modifying a second jump command in a control data portion of said disc, said second jump command for causing playback from said disc to continue at said beginning point when reading in a reverse direction; and

changing an existing start address of said cell to an address of said end point when said beginning point is said start address.

22. (new) An apparatus for editing a recorded series of bits on a rewritable disc media comprising:

means for selectively identifying a beginning point and an end point of a segment of said recorded series of bits to be deleted, wherein said recorded series of bits are grouped into cells;

means for dividing a cell into two cells when said beginning point and said end point are each contained within said cell, a first one of said cells having an end address at said beginning point and a second one of said cells having a starting address at said end point;

means for modifying a first jump command in a control data portion of said disc, said first jump command for causing playback from said disc to continue at said end point when reading in a forward direction;

means for modifying a second jump command in a control data portion of said disc, said second jump command for causing playback from said disc to continue at said beginning point when reading in a reverse direction; and

means for changing an existing start address of said cell to an address of said end point when said beginning point is said start address.

23. (new) The method according to claim 1 further comprising modifying a second jump command in a control data portion of said disc, said second jump command for causing playback from said disc to continue at said beginning point when reading in a reverse direction.

24. (new) The apparatus according to claim 11 further comprising means for modifying a second jump command in a control data portion of said disc, said second jump command for causing playback from said disc to continue at said beginning point when reading in a reverse direction.